



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140840

Mode: Highway

Status: Submitted

NC-24, NC-53 (Lejeune Blvd, Western Blvd)

From/Cross Street: Intersection of NC 24 & NC 53 (U-5508) **Specific Improvement Type:** 10 - Improve Intersection

To: **Project Category:** Statewide Mobility

Length: 0.5 **TIP#:**

Fully Funded in Draft STIP? Yes **Statewide Mobility**

Cost to NCDOT: \$2,170,000

Description:

Upgrade intersection and drainage (U-5508)

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 75.28

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 77.55 Safety (10%) 50.00 Economic Competitiveness (10%) 54.02 [Travel Time] Benefit/Cost (30%) 100.00 Multimodal + [Freight & Military] (20%) 58.04	N/A	N/A
Totals: Weight: 100% Weighted Score: 75.28		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 50.00 [Travel Time] Benefit/Cost (20%) 100.00 Multimodal + [Freight & Military] (25%) 58.04	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 47.01		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 77.55 Safety (20%) 50.00 Multimodal + [Freight & Military] (10%) 58.04	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 31.31		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Freeway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	96999.99
Capacity:	150200
Volume/Capacity Ratio:	0.65
% Autos:	95%
% Trucks:	5%
Truck Volume:	5150.8
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	100
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	18
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	93
Actual Congested Speed:	30.51
Travel Time Index:	1.8

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	28667000
Travel Time Savings for 30 Years (Autos):	27144753.19
Travel Time Savings for 30 Years (Trucks):	1522246.81
Long-Term Employment:	460.51
% Change in Economy:	0.00061984
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Jacksonville CTP
CTP/LRTP Completion Year:	2014
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$1,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$420,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,170,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,170,000	